

5040
5060

PCT10

RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/10/030,613

TIME: 10:25:12

Input Set : A:\ippf0711pct.app.txt

Output Set: N:\CRF3\02082002\J030613.raw

ENTERED

4 <110> APPLICANT: INCYTE GENOMICS, INC.
 5 TANG, Y. Tom
 6 YUE, Henry
 8 <120> TITLE OF INVENTION: HUMAN PROTEINS INVOLVED IN DETOXIFICATION
 10 <130> FILE REFERENCE: PF-0711 PCT
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/030,613
 C--> 13 <141> CURRENT FILING DATE: 2002-01-03
 15 <150> PRIOR APPLICATION NUMBER: 60/142,678
 16 <151> PRIOR FILING DATE: 1999-07-07
 18 <160> NUMBER OF SEQ ID NOS: 4
 19 <170> SOFTWARE: PERL Program
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 234
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <220> FEATURE:
 27 <221> NAME/KEY: misc_feature
 28 <223> OTHER INFORMATION: Incyte ID No: 3751586CD1
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 33 Leu Phe Leu Leu Cys Cys Ile Asp Arg Asp Trp Ala Val Thr Arg
 34 20 25 30
 35 Cys Phe Ala Glu Glu Ala Phe Gln Ala Ile Thr Asp Phe Asn Asp
 36 35 40 45
 37 Leu Pro Asn Ser Leu Phe Ala Cys Asn Val His Gln Ser Val Phe
 38 50 55 60
 39 Glu Gly Glu Glu Ser Lys Glu Lys Phe Gly Gly Leu Phe Arg Thr
 40 65 70 75
 41 Tyr Asp Asp Cys Val Thr Phe Gln Leu Phe Lys Ser Phe Arg Arg
 42 80 85 90
 43 Val Arg Ile Asn Phe Ser Asn Pro Lys Ser Ala Ala Arg Ala Arg
 44 95 100 105
 45 Ile Glu Leu His Glu Thr Gln Phe Arg Gly Lys Lys Leu Lys Leu
 46 110 115 120
 47 Tyr Phe Ala Gln Val Gln Thr Pro Glu Thr Asp Gly Asp Lys Leu
 48 125 130 135
 49 His Leu Ala Pro Pro Gln Pro Ala Lys Gln Phe Leu Ile Ser Pro
 50 140 145 150
 51 Pro Ser Ser Pro Pro Val Gly Trp Gln Pro Ile Asn Asp Ala Thr
 52 155 160 165
 53 Pro Val Leu Asn Tyr Asp Leu Leu Tyr Ala Val Ala Lys Leu Gly
 54 170 175 180

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55 Pro Gly Glu Lys Tyr Glu Leu His Ala Gly Thr Glu Ser Thr Pro
56      185      190      195
57 Ser Val Val Val His Val Cys Asp Ser Asp Ile Glu Glu Glu Glu
58      200      205      210
59 Asp Pro Lys Thr Ser Pro Lys Pro Lys Ile Ile Gln Thr Arg Arg
60      215      220      225
61 Pro Gly Leu Pro Pro Ser Val Ser Asn
62      230
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65 <211> LENGTH: 388
66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
69 <220> FEATURE:
70 <221> NAME/KEY: misc_feature
71 <223> OTHER INFORMATION: Incyte ID No: 4369745CD1
73 <400> SEQUENCE: 2
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77      20      25      30
78 Phe Tyr Tyr Lys Glu Arg Lys Ser Arg Arg Trp Lys Ser Lys Arg
79      35      40      45
80 Glu Gly Ser Asp Ser Gly Asn Arg Gln Ile Lys Ala Ala Gly Lys
81      50      55      60
82 Val Ile Ile Gln Asp Ile Ala Cys Leu Leu Pro Val His Lys Ser
83      65      70      75
84 Leu Gly Glu Leu Tyr Ile Leu Asn Val Asn Asp Ile Gln Glu Thr
85      80      85      90
86 Cys Gln Lys Asn Ala Ala Ser Ala Leu Leu Val Gly Arg Lys Asp
87      95      100      105
88 Leu Val Gln Val Trp Ser Leu Ala Thr Val Ala Thr Asp Leu Cys
89      110      115      120
90 Leu Gly Pro Lys Ser Asp Pro Asp Leu Glu Thr Pro Trp Ala Arg
91      125      130      135
92 His Pro Phe Gly Arg Gln Leu Leu Glu Ser Leu Leu Ala His Tyr
93      140      145      150
94 Cys Arg Leu Arg Asp Val Gln Thr Leu Ala Met Leu Cys Ser Val
95      155      160      165
96 Phe Glu Ala Gln Ser Arg Pro Gln Gly Leu Pro Asn Pro Phe Gly
97      170      175      180
98 Pro Phe Pro Asn Arg Ser Ser Asn Leu Val Val Ser His Ser Arg
99      185      190      195
100 Tyr Pro Ser Phe Thr Ser Ser Gly Ser Cys Ser Ser Met Ser Asp
101      200      205      210
102 Pro Gly Leu Asn Thr Gly Gly Trp Asn Ile Ala Gly Arg Glu Ala
103      215      220      225
104 Glu His Leu Ser Ser Pro Trp Gly Glu Ser Ser Pro Glu Glu Leu
105      230      235      240
106 Arg Phe Gly Ser Leu Thr Tyr Ser Asp Pro Arg Glu Arg Glu Arg

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107           245           250           255
108 Asp Gln His Asp Lys Asn Lys Arg Leu Leu Asp Pro Ala Asn Thr
109           260           265           270
110 Gln Gln Phe Asp Asp Phe Lys Lys Cys Tyr Gly Glu Ile Leu Tyr
111           275           280           285
112 Arg Trp Gly Leu Arg Glu Lys Arg Ala Glu Val Leu Lys Phe Val
113           290           295           300
114 Ser Cys Pro Pro Asp Pro His Lys Gly Ile Glu Phe Gly Val Tyr
115           305           310           315
116 Cys Ser His Cys Arg Ser Glu Val Arg Gly Thr Gln Cys Ala Ile
117           320           325           330
118 Cys Lys Gly Phe Thr Phe Gln Cys Ala Ile Cys His Val Ala Val
119           335           340           345
120 Arg Gly Ser Ser Asn Phe Cys Leu Thr Cys Gly His Gly Gly His
121           350           355           360
122 Thr Ser His Met Met Glu Trp Phe Arg Thr Gln Glu Val Cys Pro
123           365           370           375
124 Thr Gly Cys Gly Cys His Cys Leu Leu Glu Ser Thr Phe
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127 <210> SEQ ID NO: 3

128 <211> LENGTH: 934

129 <212> TYPE: DNA

130 <213> ORGANISM: Homo sapiens

132 <220> FEATURE:

133 <221> NAME/KEY: misc_feature

134 <223> OTHER INFORMATION: Incyte ID No: 3751586CB1

136 <400> SEQUENCE: 3

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139 agaagccttt caagcaatca ctgacttcaa tgacctcccc aactcgttgt ttgcgtgcaa 180
140 gtgtcaccag tcagtgtttg aaggagaaga gagcaaggaa aaatttgagg gactgtttcg 240
141 gacttatgat gactgtgtga cgttcagct atttaagagt ttcagacgtg tccgtataaa 300
142 cttcagcaat cctaaatctg cagcccagc taggatagag cttcatgaaa cccaattcag 360
143 agggaaaaaa ttaaagctct actttgcaca gggttcagact ccagagacag atggagacaa 420
144 actgcacttg gctccacccc agcctgccaa acagtttctc atctcgcccc cttcctcccc 480
145 acctgttggc tggcagccca tcaacgatgc cagcgcagtc ctcaactatg acctcctcta 540
146 tgctgtggcc aaactaggac caggagagaa gtatgagctc catgcaggga ctgagtccac 600
147 cccaagtgtc gtcgtgcacg tgtgcgacag tgacatagag gaagaagagg acccaaagac 660
148 ttccccaag ccaaaaatca tccaaactcg gcgtcctggc ctgccaccct ccgtgtccaa 720
149 ctgagctgcc tgcctcttct cgataatagc cgtctcctct ttatcatgct ttttccccct 780
150 gttgtttgtc aaaaaaaatt gcctttaaat tcctgggtgt ttggttgttt gagattcctt 840
151 ccttgttatc aagcctctcg gacaaaagg ctaggaaaag gtgatatgtc tcctgatcat 900
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154 <210> SEQ ID NO: 4

155 <211> LENGTH: 1890

156 <212> TYPE: DNA

157 <213> ORGANISM: Homo sapiens

159 <220> FEATURE:

160 <221> NAME/KEY: misc_feature

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161 <223> OTHER INFORMATION: Incyte ID No: 4369745CB1

163 <400> SEQUENCE: 4

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166 ccaactcgag cgagaaagag caggtctcca tcagctcctt ctactacaag gagcggaat 180
167 caagacgatg gaaaagtaag cgtgagggat cagactctgg caatcgacag atcaaggctg 240
168 ctgggaaagt catcatccag gatattgctt gcctcctgcc tgttcacaaa tcgctgggag 300
169 agctgtacat attgaatgtg aatgatattc aggaaacatg tcagaagaat gccgcctctg 360
170 ccttgctcgt tggaagaaa gattctgtcc aggtttggtc gctggctacg gtagctacag 420
171 atctttgcct tgggtccgaaa tctgaccagg atttggaac accctgggct cgacatccat 480
172 ttgggcggca gctgctggag tccctgttgg ctactattg ccggtccgg gatgttcaga 540
173 cactggcgat gctctgtagc gtgtttgaag ccagctctcg gcctcagggg ctaccaaacc 600
174 cctttgggcc ttttctaac cgttcttcta atcttggtggt gtcccatagt cgatattcta 660
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177 aagagctccg ctttgggagt ctgacctaca gtgatcccc tgagcgagaa cgtgaccagc 840
178 atgataaaaa taaaaggctc ctggacccc ccaataccca gcaatttgat gactttaaga 900
179 aatgctatgg ggaatcctc taccgttggg gtctgagaga gaagcgagct gaagtgtga 960
180 agtttgtctc ctgtcctcct gacctcaca aagggatcga gttcggcgtg tactgcagcc 1020
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193 ttaaattgta aatatgcact gtacttaagg attcttaaga tgtatttttt tgttatttct 1800
194 cctccagctg ctatcccttg gctaataaaa ttctagtaat ttgaaaaaaa aaaaaaagag 1860
195 agaaagttaa acaacaaaaa aaaaaaaaaa 1890

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VERIFICATION SUMMARY

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DATE: 02/08/2002

TIME: 10:25:13

Input Set : A:\ippf0711pct.app.txt

Output Set: N:\CRF3\02082002\J030613.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date